

Massachusetts Bay Transportation Authority (T)

10 Park Plaza
Boston, MA 02116
(617)222-5176

Chief Executive Officer: Robert H. Prince,
General Manager
ID Number: 1003

System Wide Information

General Information

Urbanized Area (UZA) Statistics - 1990 Census

Boston, MA	
Square Miles	891
Population	2,775,370
Population Ranking out of 405 UZA's	10
Other UZA's Served:	38, 82, 111

Service Area Statistics

Square Miles	1,038
Population	2,602,487

Service Consumption

Annual Passenger Miles	1,551,312,345
Annual Unlinked Trips	339,735,330
Average Weekday Unlinked Trips	1,111,714
Average Saturday Unlinked Trips	637,339
Average Sunday Unlinked Trips	432,372

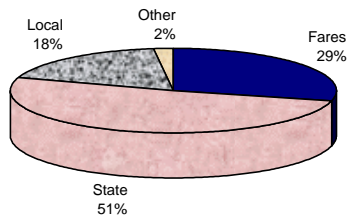
Service Supplied

Annual Vehicle Revenue Miles	80,334,990
Annual Vehicle Revenue Hours	4,859,222
Vehicles Available for Maximum Service	2,523
Vehicles Operated in Maximum Service	2,070
Base Period Requirement	1,087

Vehicles Operated in Maximum Service

	Directly Operated	Purchased Transportation		Rolling Stock	Facilities and Other	Total
Bus	758	91	Bus	\$11,995,257	\$3,054,231	\$15,049,488
Heavy Rail	320	0	Heavy Rail	1,961,914	42,775,536	44,737,450
Commuter Rail	385	0	Commuter Rail	48,579,622	180,963,473	229,543,095
Demand Response	0	331	Demand Response	0	279,880	279,880
Light Rail	148	0	Light Rail	32,798,790	61,970,989	94,769,779
Trolleybus	24	0	Trolleybus	0	36,276,991	36,276,991
Ferry Boat	0	13	Ferry Boat	0	313,601	313,601
Total	1,635	435	Total	\$95,335,583	\$325,634,701	\$420,970,284

Sources of Operating Funds Expended



Financial Information

Fare Revenues Earned

Directly Operated	\$225,603,905
Purchased Transportation	5,246,274
Total Fare Revenues Earned	\$230,850,179

Sources of Operating Funds Expended

Passenger Fares	\$230,850,179
Local Funds	140,300,240
State Funds	397,361,512
Federal Assistance	2,927,123
Other Funds	11,856,117
Total Operating Funds Expended	\$783,295,171

Summary of Operating Expenses

Salaries, Wages and Benefits	\$451,888,001
Materials and Supplies	41,749,448
Purchased Transportation	32,973,747
Other Operating Expenses	96,491,153
Total Operating Expenses	\$623,102,349

Reconciling Cash Expenditures

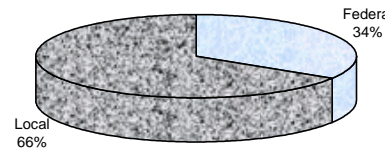
Reconciling Cash Expenditures	\$188,208,472
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Sources of Capital Funds Expended

Local Funds	\$277,213,380
State Funds	0
Federal Assistance	143,756,904
Total Capital Funds Expended	\$420,970,284

Uses of Capital Funds

Sources of Capital Funds Expended



Modal Information

Characteristics

	Bus	Heavy Rail	Commuter Rail	Light Rail
Operating Expense	\$189,490,197	\$164,427,122	\$145,424,029	\$88,917,425
Capital Funding	\$15,049,488	\$44,737,450	\$229,543,095	\$94,769,779
Annual Passenger Miles	318,170,512	431,854,043	599,115,814	172,825,237
Annual Vehicle Revenue Miles	25,833,479	20,001,160	19,749,127	5,556,379
Annual Unlinked Trips	112,310,711	120,284,270	31,348,078	70,135,715
Average Weekday Unlinked Trips	372,495	391,232	112,512	215,457
Annual Vehicle Revenue Hours	2,281,403	909,144	599,233	370,425
Fixed Guideway Directional Route Miles	2.4	75.8	692.3	55.9
Vehicles Available for Maximum Service	1,072	408	435	170
Average Fleet Age in Years	7.8	15.9	7.9	15.1
Vehicles Operated in Maximum Service	849	320	385	148
Peak to Base Ratio	1.3	2.0	1.9	1.8
Percent Spares	26%	28%	13%	15%
Incidents	339	717	175	276
Fatalities	1	0	5	0

Performance Measures

Service Efficiency

Operating Expense per Vehicle Revenue Mile	\$7.34	\$8.22	\$7.36	\$16.00
Operating Expense per Vehicle Revenue Hour	\$83.06	\$180.86	\$242.68	\$240.04

Cost Effectiveness

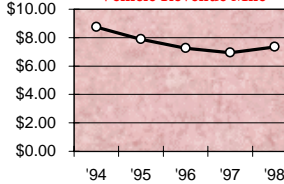
Operating Expense per Passenger Mile	\$0.60	\$0.38	\$0.24	\$0.51
Operating Expense per Unlinked Passenger Trip	\$1.69	\$1.37	\$4.64	\$1.27

Service Effectiveness

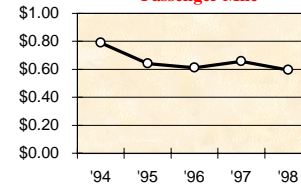
Unlinked Passenger Trips per Vehicle Revenue Mile	4.35	6.01	1.59	12.62
Unlinked Passenger Trips per Vehicle Revenue Hour	49.23	132.30	52.31	189.34

Bus

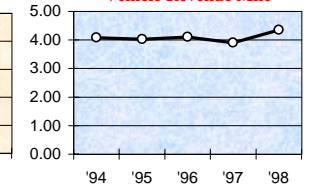
Operating Expense per Vehicle Revenue Mile



Operating Expense per Passenger Mile

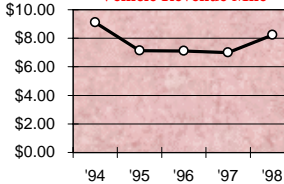


Passenger Trips per Vehicle Revenue Mile

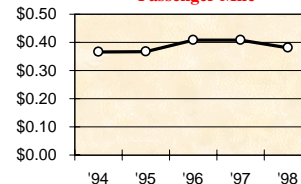


Heavy Rail

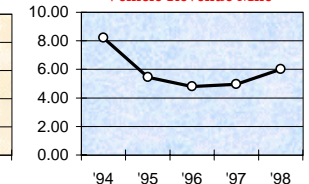
Operating Expense per Vehicle Revenue Mile



Operating Expense per Passenger Mile



Passenger Trips per Vehicle Revenue Mile



Data Source: 1998 National Transit Database